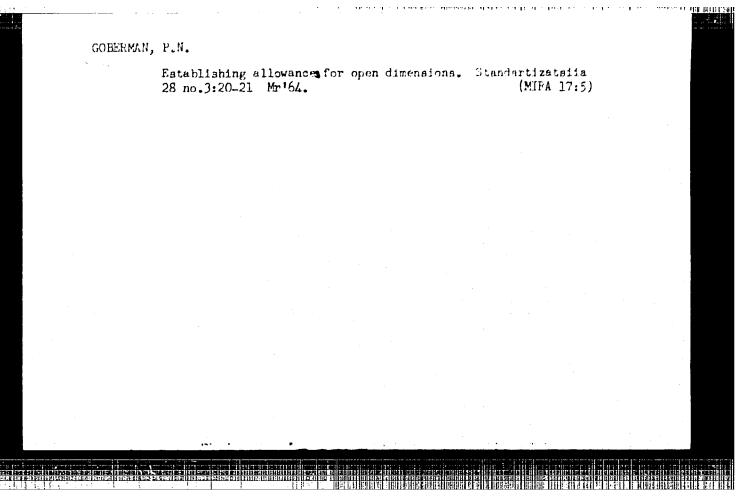
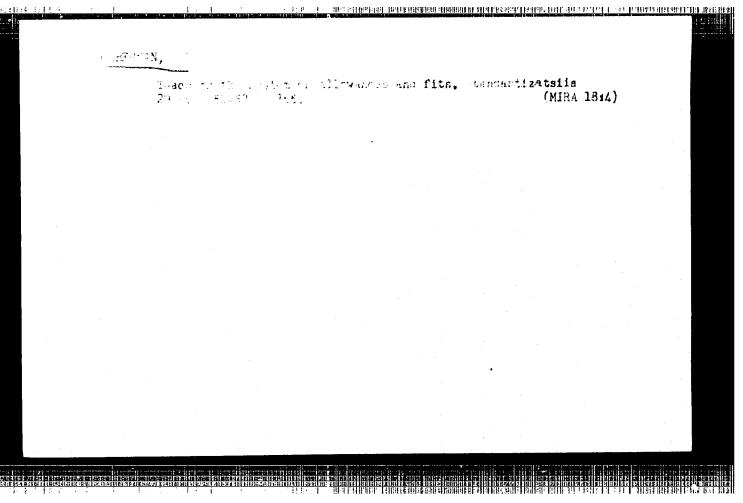


ABADZHI, K.I.; BOYTSOV, A.N.; VOLOSEVICH, F.P.; COHERMAN, P.N.;
KEMPINSKIY, M.M.; KUTAY, A.K.; MAKINGKIY, F.T.; COLTIG,
G.A.; TAYTS, B.A.; RUBINOV, A.D.; SHYURMER, G.A.;
BRZHEZINSKIY, M.L., kand. tekhn. nauk, retsenzent;
SHALATEVSKIY, O.V., red.; LEYKINA, T.L., red.izd-va;
SPERANSKAYA, O.V., tekhn. red.

[Handbook on production control in the machinery industry]
Spravochnik po proizvodstvennomu kontroliu v mashinostroenii. Izd.2., perer. i dop. Moskva, Mashgiz, 1964. 748 p.

(MIRA 17:3)





APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000615510020-1"

GOBERMAN, Tat!yana Nikolayevna; EPSHTEYN, B.S., inzh., red.; FREGER, D.F., red. izd-va; GVIRTS, V.L., tekhn. red.

[Using automatic photoelectric devices at the Izhora Plant] Primenenie fotcelektricheskoi avtomatiki na Izhorskom zavode. Leningrad, 1960.

14 p. (Leningradskii Dom nauchmo-tekhnicheskoi propagandy. Omen peredovym opytom. Seriia: Pribory i elementy avtomatiki, no.14)

(Kolpino-Mashinery industry)

(Photoelectric measurements)

GOBERMAN, V.A., kandidat tekhnicheskikh nauk; GOBERMAN, I.A., kandidat tekhni-Using automobiles in farming. Mekh. i elek.sel'khos. no.4:76-85 Ap '53. (MIRA 6:5) (Motor trucks)

GOBERMAN, V. A., Acad.

Agricultural Machinery

Conditions for effective use of conveying machinery in agriculture. Dokl. Akad. sel'khoz. 18, No. 1, 1953.

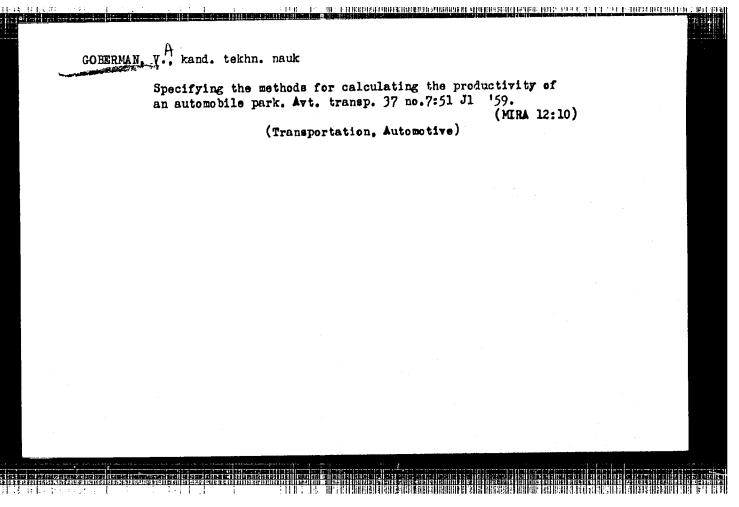
9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

Institute of Lectanization of Agricultura

"Concerning Research in Organizational Works of Automobile and Harvesting Aggregates"

Doklady Vsesoyuznoy Ordena Lenina Akademii Sel'skokhozyaystvennyki Nauk imeni V. I.

Lovina, No 1, 1956, pp 30-33, Uncl



GOBERMAN, Vitaliy Aleksandrovich; GOBERMAN, Lev Aleksandrovich; KHAMARENKO, G.V., red.; TIKHOMIROV, N.N., retsenzent; SEDOVA, A.P., red. izd-va; MAL'KOVA, N.V., tekhn. red.

[Mechanization of loading and unloading operations in transporting agricultural loads] Mekhanizatsiia pogruzochno-razgruzochnykh rabot pri perevozkakh sel'skokhoziaistvennykh gruzov. Pod red. G.V.Kramarenko. Moskva, Nauchno-tekhn. izd-vo'M-va avto-mobil'nogo transp. i shosseinykh dorog RSFSR, 1961. 286 p. (MIRA 15:2)

1. Zaveduyushchiy kafedroy Moskovskogo avtor.obil'nodorozhnogo instituta (Kramarenko). 2. Zaveduyushchiy kafedroy Moskovskogo inzhenerno-ekonomicheskogo instituta (for Tikhomirov). (Loadirg and unloading) (Farm produce—Transportation)

GOBERMAN, V.A., kand.tekhn.nauk

Increase in the efficiency in utilizing transportation means in agriculture. Nekh.i elek.sots.sel'khoz. 20 no.4:31-33 '62.

(MIRA 15:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mekhanizatsii sel'skogo khozyaystva.

(Agriculture---Transportation)

GOBERMANN, J.; MEZEI, Gabor, dr.

Questions relating to the development of the intercity motor vehicle transportation in the Soviet Union. Kozleked kozl 18 no.47:849-850 25 N 162.

1. Moszkvai Tanacs Vegrehajto Bizottsaga Gepjarmukoslekedesi Pelgazgatosaga vezetoje (for Gobermann).

### "APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000615510020-1 A TO THE RESIDENCE OF THE STREET OF THE SECOND STRE

0/034/85/600/663/633/636 3149/3102

AUTHUR:

Gobesz, r.

TIPLE:

Use of radicactive inotopes in determining the compactness of concretes manufactured from local materials

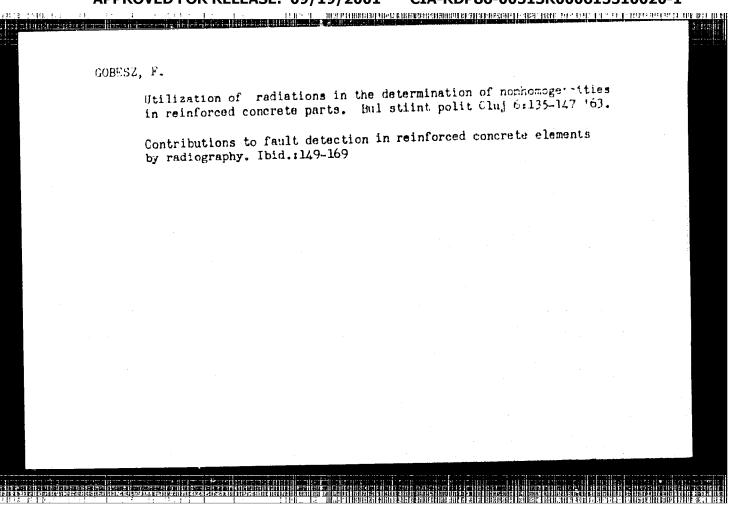
PLRIODICAL: Referativnny shurnal. Ebimiya, nc. j, 1962, 591, abstract 3X351 (Lucrari stiint. Inst. politehn. Cluj. Cluj. 1960,

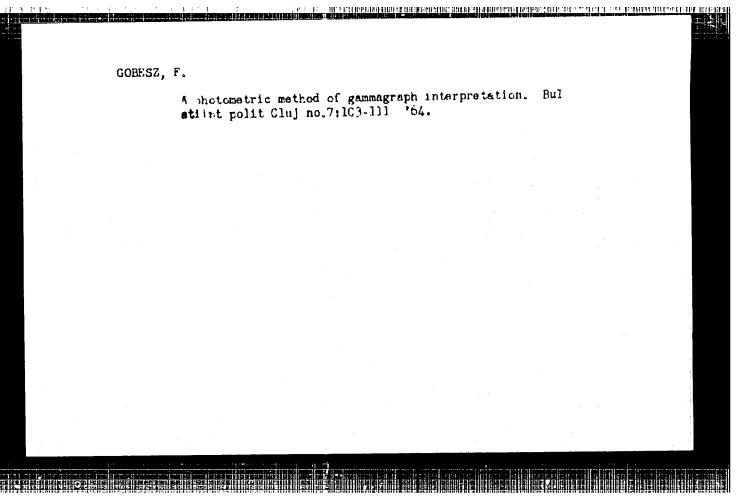
117 - 139)

TEXT: The compactness of concrete manufactures from local materials was determined by passing grama rays through it. The experimental data correspond closely to the theoretical. With the correct setting up of the apparatus an accuracy of £1,2 was possible. (Abstracter's note: Jouplete translation.

Card 1/1

CIA-RDP86-00513R000615510020-1" **APPROVED FOR RELEASE: 09/19/2001** 





VOZNESENSKII, Boris Mikolayevich; ZAINCHKOVSKII, Yevgeniy Andreyevich;
PRITKOVA, Zoya Il'inichna; SOLOV'NEV, Shaya Grigor'yevna;
GOBETS, P.T., otv.red.; PETROVA, V.Ie., red.; MARKOCH, K.G.,
tekhn.red.

[Apperatus for semiautomatic long-distance telephone systems]
Apparatura poluavtomaticheskoi meshdugorodnoi telefonnoi sviazi.
Noskva, Gos.isd-vo lit-ry po voprosam sviazi i radio, 1958, 71 p.
[\_Catalog of schematic drawings] \_\_Al'bom skhem. 1958, 23 p.
(MIRA 12:2)

(Telephone, Automatic--Equipment and supplies)

GINZBURG, Yakov Yur'yevich; GOBETS, P.T., otv.red.; RYAZAWTSKVA, M.M., red.; KARABILOVA, S.F., tekhn.red.

[Long-distance telephone conference communication] Gruppovaia meshdugorodnaia telefonnaia sviasi. Moskva, Gos.isd-vo lit-ry po voprosam sviasi i radio, 1960. 21 p. (MIRA 14:1) (Telephone)

- 1 AUTH STALE - AUGGERTANNEN FURTERSTER BEREITERSTER BEREITER B

BULGARIA/Zooparasitology - Tick and Insect Vectors of Disease ... G

Abs Jour : Ref Zhur Biol., No 1, 1959, 1024

Author : Verbev, P., Gbev. Yo.

Inst : V. Chervenkov Higher Medical Institute

Title : Experiments on the Chemical Extermination of Cockroaches

Orig Pub : Nauchni tr. Vissh. mod. in-t "V. Chervenkov". Profilakt.

katedri, 1954 (1956), 2, No 4, 45-69

Abstract : In laboratory experiments showing the action of 1% DDT

powder on the oriental and red cockroaches (C) for 1 minute, 95% of the insects were killed; with constant contact 100% were killed after 48 hours. The effect of a 5% solution and a 5% emulsion of DDT was practically the same: C were completely eradicated in 72 hours. In the treatment of food areas with 5% kerosene solution

Card 1/2

- 31 -

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STOJILJKOVIC, S.: COBICEVIC, Dj.

A case of serum neuritis. Srpski arh.celok.lek. 83 no.2:259-264
ceb. '55.

1. Neuropsihijatriska klinika Medicinskog fakulteta u Beogradu.
Upravnik: prof. dr Uros Jekic.
(NEURITIS, etiol. & pathogen.
tetanus antitoxin inject.(Ser))
(YACCINATIONS, inj.eff.
tetanus antitoxin causing neuritis (Ser))
(TETANUS
antitoxin, causing neuritis (Ser))
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- 27 (2011年 - 1912年) 3月2日 (1915年) 1月3日 (1915日) 1月3日 (1915日) 1月3日 (1917日) 1月3日 (19

### POLAND

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HORIEC, Kazimierz, Magister; chief of the Drugs Management Scotton, Deparament of Pharmacy, Ministry of Health and Fublic Welfere (Mydzial Gospodarki Lekiem Dep. Farmacji Min. Edrovia i Opiaki Spolecznej)

"Pharmaceutical Symposium of the CRMA Countries."

Warsew, Farmacja Polska, Vol 18, No 23, 10 Dec 62, p 576

Abstruct: Brief report on symposium held in Sofia on 25-27 Sep 62, listing principal speakers and topics. No references.

11/1

11 de 1904 de la companya del companya del companya de la companya del companya de la companya de la companya del companya de la companya della companya de la companya della companya della companya del Z/011/62/019/003/003/004 E112/E353 Gobjilá, A.G. and Popescu, F.S. AUTHORS: Efficiency of demulsifiers of the alkoxy-aryl-TITLE:polyglycolether-type Chemie a chemická technologie; Prehled technické a hospodarske literatury, v.19, no. 3, 1962, 134, PERIODICAL: abstract Ch 62-1831 (Khim. tekhnol. topliv, v.6, no. 12, 1961, 21 - 27) It was demonstrated in a series of experiments with products of the above type that the demulsifying action increases to a maximum with an increase of the number of ethylene-oxide groups. Further increase in ethylene-oxide groups will reduce the efficiency of the demulsifier. Products with shorter alkyl chains are also more active and it was found immaterial whether they were attached to a phenol or cresol structure. Generally, derivatives of alkyl-cresols were found more active than those derived from alkyl-phenols. The abstracted work is connected with the demulsification of petroleum. 4 diagrams, 5 tables, 14 literature references. [Abstracter's note: Complete translation.] Card 1/1

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1138,4016,1087

R/007/61/012/006/001/003 D015/D105

रात्रेष्ट ( कि. ) व्यक्तिकर्या स्वित्रां क्रियो केर्या स्वेत्रां क्रियो क्रिय क्रियो क्रिय क्रियो क्रियो क्रिय

188310

AUTHORS:

Gobjila, A.G., Engineer and Ludoşan, E.

TITLE:

Electrochemical methods in corrosion research

PERIODICAL:

Petrol și Gaze, v. 12, no. 6, 1961, 261-266

The article describes the results obtained by the I.C.F.E. corrosion research laboratory in Cimpina in the research on electrochemical corrosion processes, particularly on the investigation of the electrokinetic phenomenon and on the presentation and interpretation of polarization curves of galvanic ccuples. The purpose of this research was to find adequate protection for depth pumps using corrosion inhibitors. To obtain the necessary characteristics for the interpretation of polarization curves various electrical operation diagrams are used; the one most frequently used is the one quoted by M. Ciortea (Ref. 6: Petrol si Gaze, 9, 1958, no. 9, Sept. p. 414-425). Since the decisive factor in the establishing of appropriate characteristics is the electrolytic cell, such a cell has to meet certain requirements with regard to material, the cathodic and

Card 1/7

23529 R/007/61/012/006/001/003 D015/D105

Electrochemical methods ....

anodic areas, formation of couples and gas evacuation without admission of oxygen from the atmosphere. The sample must have a smooth and precisely defined surface, while the electrodes must be shaped and placed so as to insure a uniform electric field. The Luggin electrolytic bridge used for the electrical connection of the sample surface, with the measuring electrode, must be close to the surface of the electrode to avoid formation of additional resistances within the cell circuit. In the experiments conducted at the I.C.F.E. laboratory, various types of electrolytic cells were used, including the Berzelius beaker containing a metallic electrode, a non-polarizable platinum or carbon electrode and the Luggin bridge. Some complex electrolytic cells were also tested and gradually improved in the course of experiments, on the basis of data obtained by experience and in accordance with pertinent literature. Two of such cells are shown in Fig. 1 and 2. A comparison between the results obtained with a simple cell and an H improved cell in relation to the amount of inhibitor used is shown in Fig. 3. There are three methods for interpreting polarization

Card 2/7

23529

R/007/61/012/006/001/003 DO15/D105

Electrochemical methods ....

curves, i.e. the two tangent method, the method of a tangent and a horizontal lead from the stationary potential point, and the comparative method of a given potential. The last consists in determining the current from a diagram of cathodic polarization and shows the value of the corrosion current. Research on the selection of an adequate method for calculating the corrosion current, was made on the basis of comparison with the classical method, establishing the loss of weight of sample. The method of establishing corrosion reduction or increase by determining the current of the couple at a given constant potential, supplied reproducible values due to the reduction to a minimum of the subjective appreciation influencing the representation of curves and due to the fact that data are obtained from the region of the depolarization by hydrogen. These facts make the method of determining the current of the couple at a constant selected potential, suitable for inhibiting corrosion of oil well bottomhole equipment, since at the bottom the penetration of oxygen is limited. This method which allows a suitable selection of the type and amount of

Card 3/7

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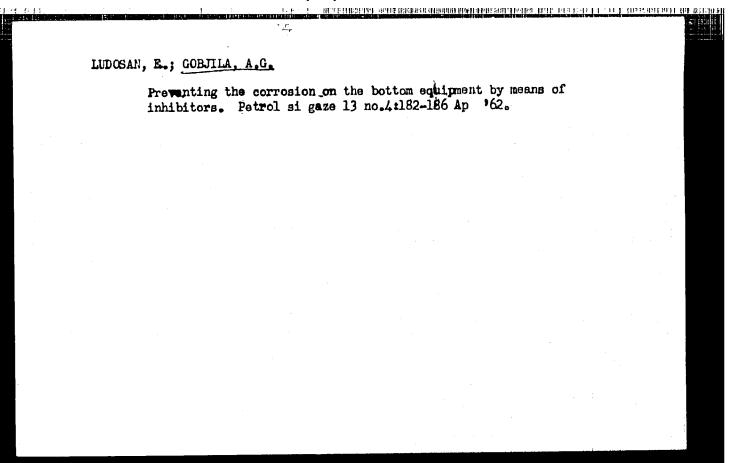
GOBJILA, A. G., ing.

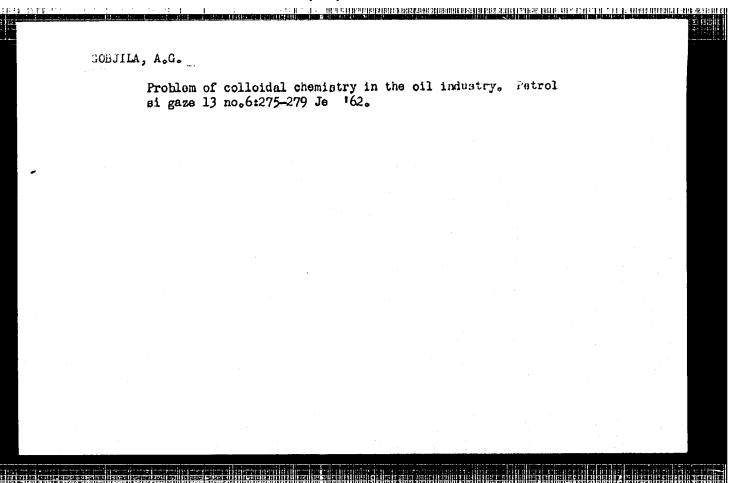
Disemulsification of crude oil. Influence of the paraffin contained in oil upon stability of the latter. Petrol si gaze 12 no.10: 454-457 0 '61.

(Petroleum) (Emulsions) (Paraffins)

Fregring percoleum for reffering, law vys. Laheb. 187.; nsf ' 1 gaz 5 no.1171.74 '61. (MIRA 17.6)

1. Naumno-(saledovatel'skty institut to tureniyu dobyone nsfta 1 gazm, gornés fympine, flumynskoy Narodney doaputliki.





न् । वार्ष्याः मुक्ताः वार्ष्यः प्रकृतिक कृतिक कृतिक स्वतिक स्वतिक स्वतिक स्वतिक स्वतिक स्वतिक स्वतिक स्वतिक स

COUNTRY HUMANIA CATEGORY М Cultivated Plants. Cereals. RZhBiol., No. 23 1958, No. 104643 ABS. JOUR. : Lazarescu, E., Bulinaru, V., Gobjile, M. AUTHOR : Galatsa Agronomical Institute. INST. : The Influence of the Treatment of Seeds with Ultra-Sound TITLE on the Germination and Biochemical Processes in Corn. : Probl. agric., 1957, 9, No. 6, 65-68 ORIO. PUB. : Trea tment of corn seeds (in the experimental field in Ur-ARSTRACT lyaska-Galats, Agronomical Institute in Galatsa) with ultra-sound of higher frequency end an intensity of 60-80 decibels for 6 minutes contributed to the increase in the seed germination to 100%, to good growth and development. and also to a reduction in the vegetation period in corn (variety IKAR-54). Plants grown from seeds treated with ultra-sound (3-9 minutes) proved to be more stable, vigorous and viable, and were less vulnerable to diseases then the control plants. The effect of ultra-sounds on corn seeds induces changes in the stored matter in seeds ( starch, proteins, and fats). --Ye. T. Zhukovskaya CARD:1/1

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The state of the s

GOSJILA, W.

Possibilities of mehieving in Rumania purification of waste water by using it in agriculture. p. 39.

midhotemata. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romina) Bucuresti, Mumania Vol. 4, no. 2, Feb. 1909.

Monthly List of East European Accessions (EEEI) IC, vol. 3, no. 7, July 1959.

Uncl.

- 1. GOBKIN, S.I., VOLKOV, S.S., M. GUCHIY, L.N.
- 2. USSR (600)
- 4. Magnesium Alloys
- 7. Possibility of broad use of magnesium forging-in machine industry. Dokl.AN SSSR 86 no. 5 1952

9. Monthly List of Russian Accessions, Library of Congress, Fabruary 1953. Unclassified.

्तः । । सम्बद्धानामा सम्बद्धानामा सम्बद्धानामा सम्बद्धानामा सम्बद्धानामा सम्बद्धानामा अन्य । । । वास्त्राचा वास् datife) i di 1, 101127 -00  $SMT(\pm)/T/TWP(\pm)/BMP(\pm)/BTL$ AT6023737 (N) SOURCE CODE: UR/2755/66/000/005/0051/0059 ACC NRI AUTHOR: Yevstyukhin, A. I. (Doctor of technical sciences); Godin, Yu. G.; Yakovleva, V. B. ORG: none TITLE: Investigation of alloys of the Nb-Zn system 27 v SOURCE: Moscow. Inzhenerno-fizicheskiy institut. Metallurgiya i metallovedeniye chistykh metallov, no. 5, 1966, 51-59 TOPIC TAGS: niobium, niobium alloy, zinc containing alloy, alloy composition, alloy hardness, phase composition, niobium zinc system ABSTRACT: A series of binary Nb-Zn alloys containing .9-52.7% Nb were melted from 99.8%-pure Nb1 and chemically pure 2n in argonfilled airtight crucibles held at 1150C for 20 hr. Alloys containing up to 20% Nb were dense. Those with a higher niobium content were porous. Alloys with the highest Nb content (96.9%) were made by remelting in an arc furnace. AMetallographic examination showed that niobium-poor alloys consisted of zinc and a NbZn3 phase which increased in amount with increasing Nb content in the alloy. In an alloy containing 28.4% Nb, an NbZn3 phase predominated with zinc grains between its grains; at still higher Nb contents the zinc grains dissolved. Card 1/2

L 38428-66 ACC NR: AT6023737

Alloys containing 35.8-39.4% Nb had a structure consisting of fine NbZn3 grains and large grains of an Nb2Zn3 phase, the amount of which increased with increasing Nb content. Alloy containing 52% Nb consisted mainly of homogeneous grains assumed to have a composition close to that of  ${\rm Nb}_2{\rm Zn}_3$ , and of fine inclusions, probably of the NbZn phase, within the grains. An alloy containing 55.57% Nb had a twophase structure consisting mainly of the Nb2Zn3 phase and small grains But the alloy with 59.39% Nb consisted of the of the NbZn phase. NbZn phase and a small amount of Nb2Zn3 grains. All alloys with more than 60% Nb contained metallic niobium. In an alloy containing 74.4% Nb, the NbZn phase was located along the boundaries of niobium grains which constituted the bulk of the alloy. A further increase in niobium content decreased the amount of the MbZn phase, and in an alloy containing 97% Nb, the NbZn phase was located along the boundaries of niobium grains in the form of a fine network. Thermal and x-ray diffraction analyses confirmed the existence of the  $NbZn_3$ ,  $NbZn_2$ ,  $Nb_2Zn_3$ , and NbZn intermetallic compounds. The Nb2Zn3 compound had the highest microhardness (890 kg/mm<sup>2</sup>); the microhardness of the NbZn<sub>3</sub> compound was 302 kg/mm2. Orig. art. has: 10 figures and 4 tables.

SUB CODE: 11/ SUBM DATE: none/ OTH REF: 003/ ATD PRESS: 5043

Cord 2/2

COBLIK, V.F.

Toward new production achievements. Gidroliz. i lesokhim.
prom. 14 no.8:11-12 '61. (MIRA 16:11)

1. Perechinskiy lesokhimicheskiy zavod.

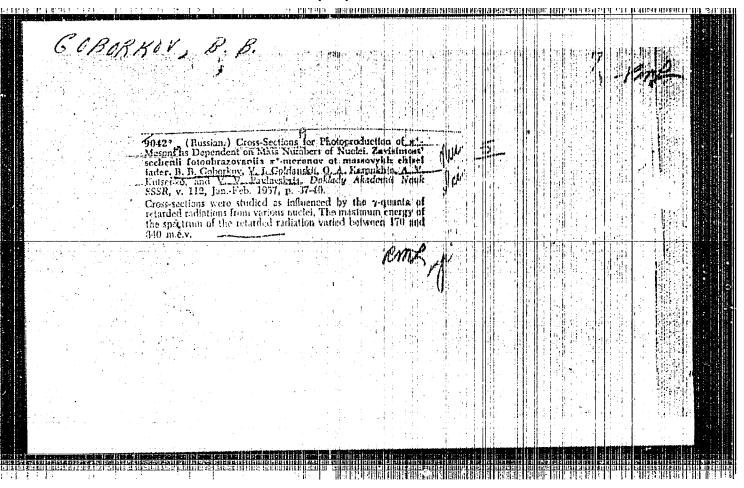
GOBLOS, Janos; SZABO, Marton; RIPPEL, Geza
Hungarian-mude condensers of high reliability. Hir techn 14
no.2:73-75 Ap '63.

1. REMIX Radiotechnikai Gyar.

### "APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R000615510020-1 THE RELEASE OF THE PROPERTY OF

- GOBOCHKINA, Y.E.
- USSR (600)
- Headgear
- 7. Struggle for one hundred per cent, first grade production output. beg. prom. no. 11, 1952

1953. Unclassified. Monthly List of Russian Accessions, Library of Congress, February



\$/051/62/013/005/009/017 E039/E420

AUTHORS:

Nurmukhametov, R.N., Gobov, G.V.

TITLE:

The luminescence spectra of fluorene

PERIODICAL: Optika i spektroskopiya, v.13, no.5, 1962, 676-682

Data in the literature on the luminescence of fluorene and the nature of its impurities is contradictory, hence the luminescent spectra of fluorene, anthracene and carbazole in solution with n-heptane and n-octane were investigated by Shpol'skiy's method and also in the crystalline form at 77°K. These spectra possess fine structure and it is possible to identify both the substance and its impurities. The samples used were purified by a number of different physical methods; multiple sublimation, recrystallization and zone melting. л СВДШ-250 (SVDSh-250) lamp was used as a source of exciting light together with a Bausch and Lomb monochromator for investigating the effect of excitation by different wavelengths. Absorption spectra were obtained using a Xenon lamp with a Details of the continuous spectrum in the range 2400 to 4500 %. vibration analysis of the luminescent and absorption spectra are Card 1/2

5/051/62/013/005/009/017
The luminescence spectra ... E039/E420

given and presented in tables. The presence of anthracene as an impurity in the fluorene is shown from the spectral analysis. There are 1 figure and 3 tables.

SUBMITTED: September 16, 1961

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Card 2/2

1,3503

S/051/62/013/006/024/027 E039/E120

34 3500 34 350 AUTHORS:

Gobov, G.V., Kalimbet, A.Z., Fedotov, A.P., and

Sheremet'yev, G.D.

TITLE:

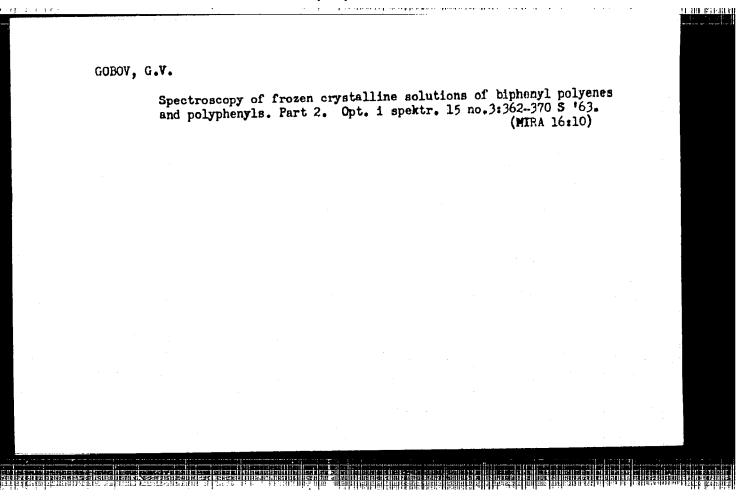
Polarisation of the quasilinear luminescence spectra

of perylene in the electric field at 77 K

PERIODICAL: Optika i spektroskopiya, v.13, no.6, 1962, 879

TEXT: This work was undertaken in order to observe the optical effects associated with radiation from electrets and to study the kinetics of the electret condition. Perylene was chosen because of its extensive cloud of N-electrons, which under the action of an electric field might produce a noticeable effect on action of an electric field might produce a nelectric field the luminescent spectrum. In the absence of an electric field the luminescence of perylene in n-heptane observed at right angles to direction of the exciting beam (366 mmk natural light) is 32% direction of the exciting beam (366 mmk natural light) is 32% polarised. The degree of polarisation along the line of excitation is zero. When a solution of perylene in n-heptane is frozen in an electric field of 25 kV/cm the luminescence observed along the line of excitation is 26% polarised. An investigation of the Card 1/2

Card 2/2.



s/048/63/027/001/006/043 B163/B180

AUTHOR:

Gobov, G. V.

TITLE:

Absorption and luminescence spectra of stilbene and tolane

in frozen crystalline solutions at 77°K

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizichuskaya, v. 27.

no. 1, 1965, 11-14

TEXT: The absorption, fluorescence, and phosphorescence tolane spectra of stilbene and tolane, frozen in n-paraffin (from hexane to undekane) solutions, were taken in a ... -28 (ISP-28) quartz spectrograph. Filtered

radiation in the wave number range 1000-3000 cm<sup>-1</sup> from the lamp CEMU-250 (SVDSh-250) or the xenon lamp /KCU-1000 (DKSSh-1000) was used.-1 The position of the lines could be determined with an accuracy of 10 cm The tolane was carefully purified by zone melting. The sharpest spectra were obtained with n-octane as solvent. The fluorescence spectrum of stilbene consists of 5 groups; Table 1 lists the sharp (10 - 20 cm ) lines of the first three. The frequencies of all these lines in this fluorescence spectrum can be interpreted by means of 8 vibrational Card 1/2

1 (1) 11

Absorption and uminescence spectra of ... \$\frac{\\$S/048/63/027/001/006/043}{\\$B163/\\$B180}\$

frequencies of the non-excited stilbene molecule. The frequencies for interpreting the spectra of tolane are also given. The fluorescence and absorption spectra are in both cases nearly symmetrical. The frequencies of 998 and 1600 cm<sup>-1</sup> which the stilbene and tolane spectra have in common, are ascribed to the natural vibrations of the phenyl rings. The periodicities in the spectra (1640 cm<sup>-1</sup> for stilbene, 2232 cm<sup>-1</sup> for tolane) coincide with the characteristic oscillation frequencies of the C = C and C = C group, respectively. There are 2 figures and 2 tables.

Card 2/2

BOLOTNIKOVA, T.N.; GOBOV, G.V.

Emission spectra of certain polyphenyls and diphenyl polyenes.

Izv. AN SSSR Ser. fiz. 27 no.5:683-685 My '63.

(Unsaturated compounds—Spectra)

(Paraffins—Spectra)

L 19h71/-63 EMP(j)/EFF(c)/EWT(m)/BDS Pc-h/Pr-h RM/MA/MAY
ACCESSION NR: AT3002192 S/29h1/63/001/000/0036/coh3

AUTHORS: Gobov, G. V.; Bolotnikova, T. N.

TITLE: Spectroscopy of frozen crystalline solutions /

SOURCE: Optika i spektroskopiya; sbornik statey. v. 1: Lyuminestsentsiya. Moscow, Izd-vo AN SSSR, 1963, 36-43

TOPIC TAGS: luminescence, absorption, spectra, polyenes, hydrocarbons, energy level  $\frac{1}{4}$ 

ABSTRACT: A study has been made to determine the luminescence and absorption spectra of diphenyl-, triphenyl-, and quaterphenyl-polyenes. The method was first used by E. V. Shpol'skiy (UFN, 71, 2, 1960) and consists of investigating the sharp luminescence spectra of frozen n-paraffin solutions condensed in aromatic hydrocarbons. For the diphenyl, the largest luminescence spectra were found in hexane, heptane, and octane solutions with a band width of 50 cm<sup>-1</sup>. The continuous absorption spectra of triphenyl were found to lie between 2400 and 3200 Å and for the quaterphenyl, between 2600 and 3400 Å. The authors contend that the fluorescence spectra of these polyenes permit the tracing of changes in the

Card 1/2

L 191,71-63

ACCESSION NR: AT3002192

molecular energy levels arising from line broadening of the molecules on one of the phenolic groups. "The authors express their gratitude to E. V. Shpol'skiy." Orig. art. has: 6 tables and 3 figures.

ASSOCIATION: none

SUBMITTED: 28May62

DATE ACQ: 19May63

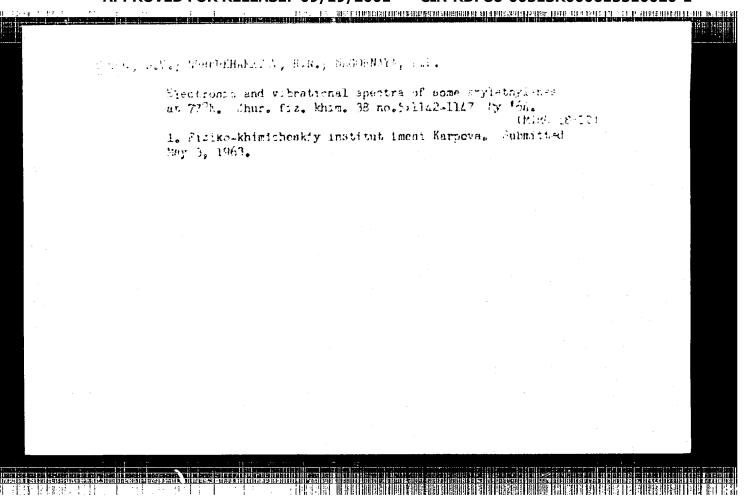
ENCL: 00

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OTHER: 008

Card 2/2



EFF(c)/EPA(s)-2/EWP(j)/EWA(c)/EWT(1)/EWT(m) TJP(4) I, 34878-65 8/00/11/65/01.8/002/0227/0235 AP5005035 ACCESSION NR: AUTHOR: Nurmukhametov, R. N.; Gooov, G. V. TITLE: Influence of the hetero-atom on the luminescence of compounds containing a biphenyl nucleus SOURCE: Optika i spektroskopiya, v. 18, no. 2, 1965, 225-135 TOPIC TAGS: luminescence, heteroatom, diphenyl compound, luminescence spectrum, vibrational analysis, phosphorescence, conversion probability ABSTRACT: The authors investigated the luminescence spectica of splutions of fluorine, diphenylene oxide; diphenylene sulfide, carbazole, lipheny enine, and diphenyl sulfide at 77K. To obtain spectra with maximum structure, the Shpol'skiy method was used (E. V. Shpol'skiy, Usp. fir. nauk, v. 71, 215, 1960) for the first four compounds in hexane and in hepenes. The luminescence was excited in different sections of the spectrum by a DRSh-250 lamp used in conjunction with a mondchromator, and also in conjunction with filtiers for the member; lines. The absorption spectra were taken in the light of a DESSh-1000 lamp and photographed with ISP-28 and Hilger spectrographs. The results have disclosed an appreciable <sub>Card</sub> 1/2

L 34878-65

ACCESSION NR: AP5005035

similarity between the vibrational structure of these spectra, especially the phosphorescence spectrum. A vibrational analysis has been made unit the fundamental frequencies have been assigned to different types of vibrations. The nature of the electronic transitions is analyzed, and the influence of the hetero-atom on the electronic levels and on the frequencies of some vibrations which are active in the emission spectra is traced. It is shown that the interaction between the hetero-atom and the biphenyl nucleus leads to spectral charges of the same character as are observed for the corresponding series of mono substitutes of bearene and diphenyl compounds. When C is replaced by 0, 8, and N, a successive decrease of the difference in energy between the S\*1 and T levels in observed in all three series of compounds. The introduction of the N atom, and especially of the S atom, greatly increases the probability of S\*1.—T, conversion. Orig. art. has:

figures and 5 tables.

ASSOCIATION: None

SUEMITITED: 140ct63

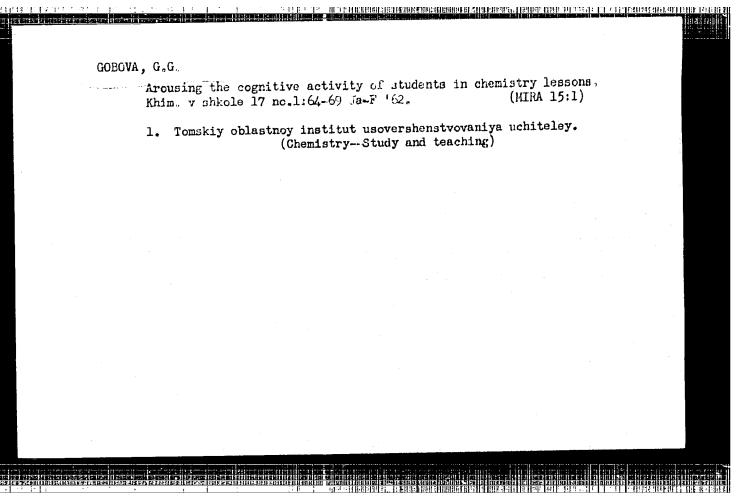
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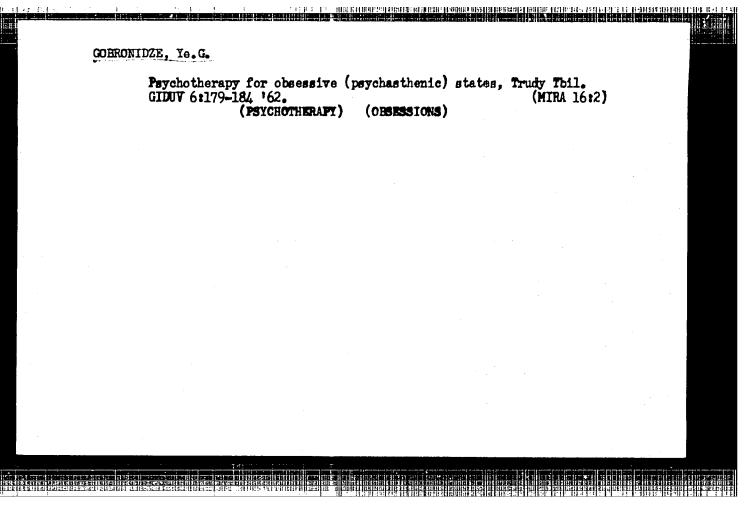
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OTHER: Oll.

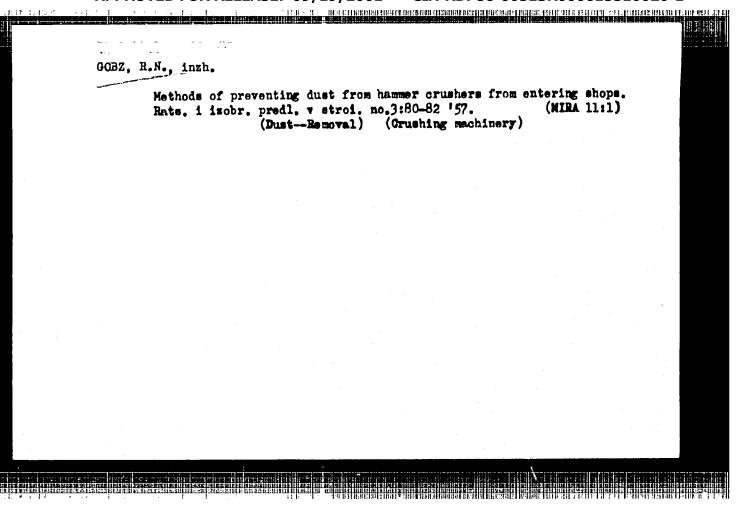
Card 2/2



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# GOBUNIYA, L.K. Mequicardium beds. Seob.AN Grux.SSR 8 no.8:537-540 '47. (MEA 9:7) 1.Akademiya nauk Grusinskey SSR, Institut geologii i mineralegii, Tbilisi. Predstavlene deystvitel'nym chlenem Akademii L.Sh.Davitashvili. (Nekva Valley--Paleontolegy, Stratigraphic)



ERLIKHMAN, S.; GOBZA, R., insh.

Ventilisation is trade unions' most urgent task. Okh.truda i sots.strakh. no.1:42-44 Ja '60. (MIRA 13:5)

1. Machal'nik proyektno-naladochnogo upravleniya "Glavsantekmontasha" (for Britman). (Ventilation)

GOBZA, R. N.

COBZA, R. N., Inzhener i, VEREVIN, F. P., Inzh., SIMONOV, M. V., Inzh.

Vsesoyuznaya Kontora Tipovogo Proyektirovaniya I Tekhnicheskikh Issledovaniy
(ETIS) Mintyashstroya

Issledovaniye Effektivnosti Pyleosadochnykh Kamer NA Modelyakh

Page 52

SO: Collection of Annotations of Scientific Research Work on Construction, completed in 1950. Hoscow, 1951

GOBZA, R. N.

GOBZA, R. N., Inzh i, VEREVIN, F. P. Insh.

Vsesoyuznaya Kontora Tipovogo Proyektirovaniya 1 Tekhnicheskikh Issledovany (KTIS) Mintyashstroya.

Ochistka Vozdukha ot Pyli, Inertsionmye Pyleotdeliteli Page 53

SO: Collection of Annotations of Scientific Research Work on Construction, completed in 1950. Moscow, 1951

SOV/124-57-3-3198

TO DESCRIPTION OF A DES

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 3, p 80 (USSR)

AUTHOR: Gobza, R. N.

TITLE: The Results of Field Investigations of Heating Systems With a Concentrated Air Delivery (Rezul'taty naturnykh issledovaniy

sistem otopleniya s sosredotochennym vypuskom vozdukha)

PERIODICAL: Tr. nauch. sessii Vses. n.i. in-ta okhrany truda, 1955, Nr 4,

pp 83-106

ABSTRACT: The paper adduces the results of an investigation of heating systems

having a concentrated air delivery in twelve different locales with a volume of 5000 to 500,000 m<sup>3</sup>. Some dependences obtained earlier

by means of model simulation are refined.

I. A. Shepelev

Card 1/1

HECH SPACES DE DES ASSENCIA DE CARACTER DE LA CARACTER DE LA CARACTER DE DE LA CARACTER DE DES ANTA DE DES ANTA DE LA CARACTER DE DES ANTA DE LA CARACTER DE

VAYNTRAUB, I.M., inzh.; GOBZA, R.N., inzh.; KATSNEL SON, G.A., inzh.; KRASILOV, G.I., inzh.; ORENTLIKHER, P.B., inzh.; ERLIKHMAN, S.Ya., inzh.; VOLNYANSKIY, A.K., glav. red.; SOKOLOV, D.V., zam. glav.red.; TARAN, V.D., red.; SEREPHENNIKOV, S.N., red.; MIKHAYLOV, K.A., red.; STAROVEROV, I.M., red.; VOLODIN, V.Ye., red.; NIKOLAYEVSKIY, Ye.Ya., red.; SMIRNOV, L.I., inzh., nauchmyy red.; SKVCRTSOVA, I.P., red. izd-va; SHERSTNEVA, N.V., tekhn. red.

[Adjusting, control, and operation of industrial ventilation systems]Naladka, regulirovan i ekspluatstsiia sistem promyshlennoi ventiliatsii. Pod red. S.IA.Erlikhmana. Moskva, Gosstroiizdat, 1962. 555 p. (MIRA 15:9)

1. Russia (1917- R.S.F.S.R.)Glavnoye upravleniye sanitarnotekhnicheskogo montazha. (Factories-Heating and ventilation)

GOBZA, R.N., red.; GELIN, M.M., red.; KRIVOSHEYEV, B.S., red.; SORIN, Ye.Ye., red.; VENIKEYEVICH, L.A., red.; AVER'YANOVA, L.B., red.

[Adjusting and planning systems of industrial ventilation and air conditioning] Naladka i proektirovanie sistem promyshlennoi ventiliatsii i konditsionirovaniia vozdukha; tematicheskii sbornik. Moskva, TSentr. biuro tekhm. informatsii, 1964. 157 p. (MIRA 17:12)

1. Moscow. Proyektnyy institut "Proyektpromventilyatsiya."

GOECH, V.R., aspirant

Effectiveness of some preparations against considers in calves.

Veterinaria 41 no.3:53-54 Mr '65.

1. Belorueskiy nauchno-issledovatel'skiy veterinarnyy institut.

LEMESH, Vladimir Filiprovich; liazarov, Viktor Konstantinovich;
SHFAKOV, Aleksey Prokof'yevich; TARUSOVA, Yelizaveta
Fedorovna; LEMESH, Sof'ya Ivanovna; LEWINA, Zinaida
Moiseyevna; GOEZEN, Vera Vasil'yevna; DOMASHEVICH, O.P.,
red.; ZUYKOVA, V.I., tekhn. red.

[Composition and nutritive value of feeds in White Russia]
Sostav i pitatel'nost' kormov Belorussii. Minuk, Gos.izd-vo
sel'skokhoziaistvennoi lit-ry BSSR, 1962. 2/1 p.
(Mira 17:1)

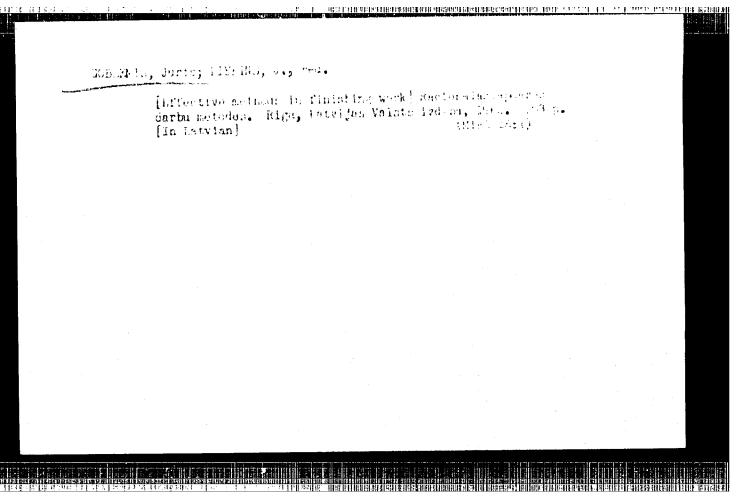
(White Russia—Feeds—Composition)

GOBZEMIS, A.; GOROFETS, V.; TIMOFEYEV, T.

Using electronic computers in traction calculations for determining the time of train movements in the runs between stops. Izv.AN Latv.SSR no.2:18-25 '63. (MIRA 16:4)

1. Institut elektroniki i vychislitel noy tekhniki AN Latviyskoy SSR. (Railroads—Management) (Electric computers)

AUTHOR: Gobzemis, A. Yu.  ORG: none  TITLE: Synthesizing logical diagrams with ternary OR-I  SOURCE: AN LatSSR. Institut elektroniki i vychislitel 1965. Avtomatika i vychislitel naya tekhnika, 149-154  TOPIC TAGS: logical diagram, logical diagram synthesi  ABSTRACT: Logical diagrams whose inputs and outputs c (-1, 0, 1) are considered. In this system, a generali obtaining the completeness of the system. A five-poin synthesizing single-step logical diagrams with n input output f. Orig. art. has: 20 formulas and 3 tables.  SUB CODE: 12, 09 / SUBM DATE: none / ORIG REF: 005	ODE: UN/2690/65/009/0  NOT logical elements/ Provided the logical function provided on the logical function provided the logic	v. 9.  with states pred for	
Card 1/1	UDC) _62 <b>-50</b> 7		



ANDIN'SH, P. [Andins, F.]; GOBZEMIS, Yu. [Gobzemis, J.]; GOESHKOV, A.

MASTEROV, V.

Suggestions of Riga builders. Stroitel' 8 no.3:7-10 Mr '62.

(Riga--Building---Technological innovations)

(Riga--Building---Technological innovations)

TO THE PROPERTY OF THE PROPERT

GOBZHILA, A.G. [Gobjila, A.G.]

Effect of paraffin on the stability of natural oil emulsions.

Izv.vys.ucheb. zav.;neft' i gaz 5 no.5:69-73 '62. (MIRA 16:5)

1. Issledovatel'skiy institut po bureniyu i dobyche nefti i gaza, g. Kympina, Rumynskaya Narodnaya Respublika. (Rumania--Emulatons) (Paraffin wax)

TO BE SEED THE REPORT OF THE PROPERTY OF THE P

## GOBZHILA, A. G. [Gobjila, A. G.]

Investigation of natural water emulsifiers in crude oil in relation to the establishment of a basis for effective demulsifying agents for petroleum emulsions. Koll. shur. 24 no.6:651-658 N-D \*62. (MIRA 16:1)

1. Nauchno-issledovateliskiy institut po bureniyu i dobyche nefti i gaza, g. Kympina, Rumyniya.

(Emulsions) (Petroleum-Refining)

<u>रत्ते । १८ - वर्षः वर्षः वर्षः वर्षः वर्षः अवस्थाः अवस्थाः । अस्य स्थानाः अस्य वर्षः अस्य स्थानाः स्था</u>

POPESKU, F.S. [Popescu, F.S.]; GOBZHILA, A.G. [Gobjila, A.G.]

Studying the froth-forming properties of alkyl-hydroxy-aryl polyglycol esters and alicyclic polyglycol esters. Izv. vysh. ucheb. zav.; neft' i gaz 6 no.3:55-58 '63. (MIRA 16:7)

l. Issledovatel'skiy institut po bureniyu i dobyche nefti i gaza, g. Kympina, Rumynskaya Narodnaya Respublika. (Surface-active agents)

<u> 1900-li na katumana matumatan kanathamatukah dibahak kanathadan terbaha kanatatan kanatat kanatatuk behubi</u>

GOBZHILA, A.G.; VOYKULESKU, K.I. [Veiculescu, K.I.]; FOFESKU, M.V. [Pepescu, M.V.]

Use of epoxide coatings for the protection of main underground pipe systems. Lakokras.mat. i ikh prim. no.3:28-34 163. (MIRA 16:9)

l. Laboratoriya kerrezii Issledevatel'skogo instituta bureniya i debychi nefti i gaza, g. Kympina, i TSentral'naya issledevatel'skaya laboratoriya lakov i pechatnykh krasek, g. Bukharest Rumynskaya Narednaya Respublika.

(Pipe, Steel--Cerresien) (Pretective contings)

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POPESKU, F.S. [Popescu, F.S.] (Rumyniya); GOBZHILA, A.G. (Rumyniya)

Effectiveness of oxyethylated derivatives of cycloalkanoic acids and alkyl oxyaryl-formaldahyda resing during retro-

effectiveness of oxyethylated derivatives of cycloalkanoic acids and alkyl oxyaryl-formaldehyde resins during petroleum demulsification. Khim. i tekh. topl. i masel 8 no.5: 22-26 My 63. (MIRA 16:8)

र सार्वास्तरमाहरमाहरमाहरमाहरू । सार्वास्तर स्थापन स्थापन स्थापन स्थापन स्थापन स्थापन स्थापन स्थापन स्थापन स्थापन

GOC, E.; KOTLICKA, G.N.; PALYS, J.; ROZKOWSKI, A.

Preparation techniques of a specific hydrogeological map of the Upper Silesian Coal Basin. Przegl geol 11 no.5:

1. Gornoslaska Stacja Terenowa, Instytut Geologiczny, Sosnowiec.

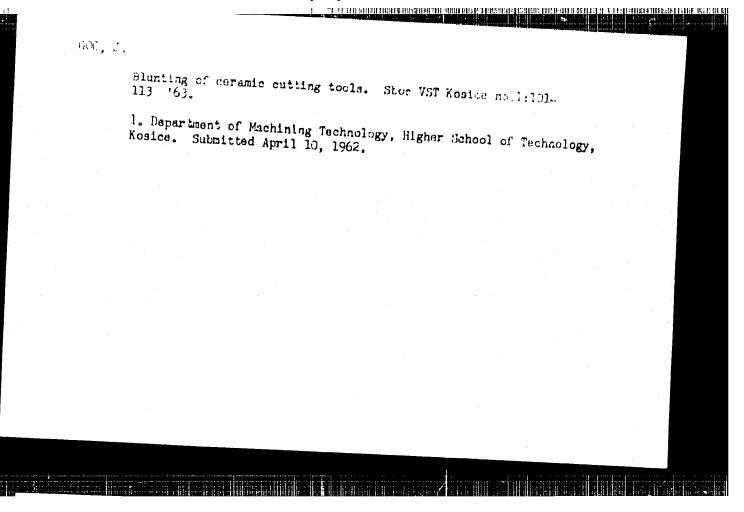
GCC, Jan, inz.

Testing the cutting property of tools. Tech praca 14 no.8:609-

1. Vysoka skola technicka, Kosice.

POPPER, Ervin; GRECU, Ion; PITEA, Iulia; CHIOREAN, Lucia; GOCAN, Ileana
Contributions to the photometric determination of comium.
Studii cere chim 12 no.5:387-391 '64

1. Chair of Analytical, Faculty of Pharmany, Medicopharmaceutical
Institute, Republicii St., no.12, Cluj.

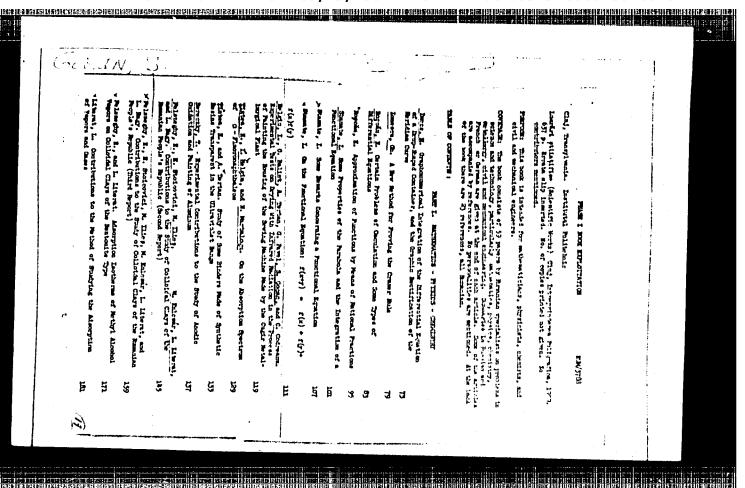


PREDA. V.; MAFTEI, Elena; BIRTU, O.; GCCAN, Marilona; GEORGESCO, 1.

Role of the nervous sytem in the respiration of the regenerative tissues of Triturus cristatus cristatus laur.

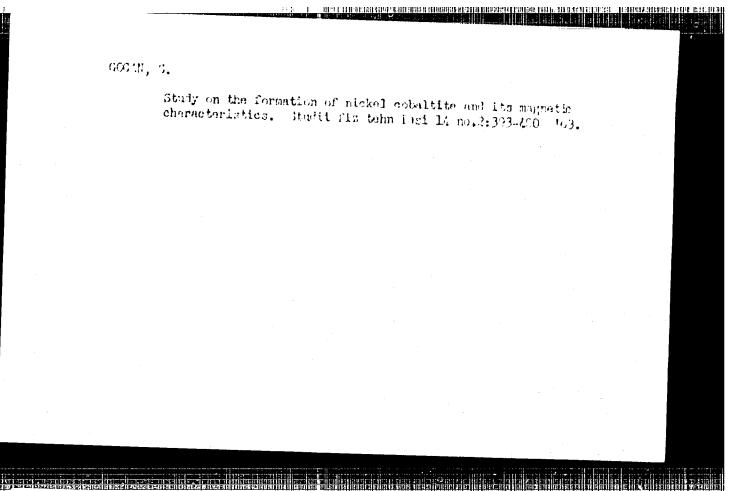
Studii cerc biol s. zool 16 no. 3:213-217 '64.

1. Chair of Biology, Medicopharmaceutical Institute, Cluj.



STANESCU, L.; GOCAN, S.; TERTAN, A.; MOTIU, A.; BOGATEANU, G.;

Study of some semiconductor characteristics of nickel chromite. Bul stiint polit Cluj no.5:65-74 '62.



GOCAN, Simion; STANESCU, Livie

The volume semiconstructival properties of the V203--B203 system.

Studia Univ B-B S. Math-Phys 10 no.1:105-113 465.

LITEANU, Candin; GOCAN, Simion

Paper thermochromatography. Pt. 4. Rev chimie Roum 9 no.10:651-662 0 '64.

1. Faculty of Chemistry of the "Babes-Bolyai" University, and the Pedagogic Institute, Cluj.

COCAN, Similar, ATTACH, Junean

Thermachromatography on paper, Pt. 5. New chimie ocum 3 no.113715-725 N tot.

1. Pedagogic Institute and Cluj University.

GOCAN, Simion; LITEANU, Candin

Thermochiomatography on paper. Pt.5. Studii cerc chim 13 no.11:741-750 N '64.

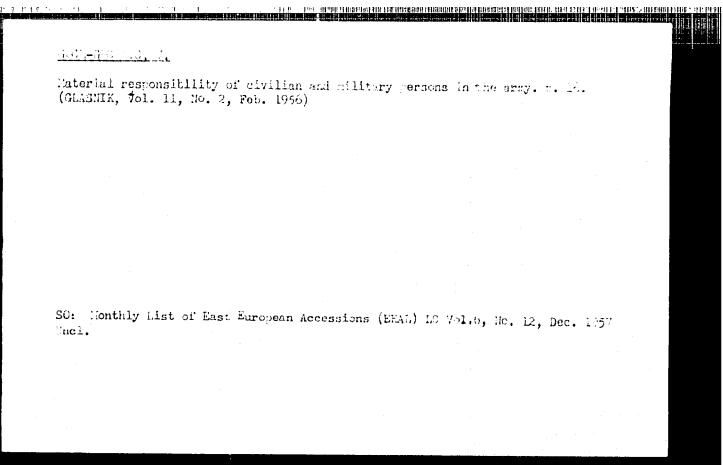
1. Pedagogic Institute, Cluj, and "Babes-Bolyai" University, Cluj, 1 Universitatii Street.

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LITEANU, C.; GOCAN, S.

Thermochromatography on paper. Pt.4. Studii cerc chim 13 no.10:681-692 O 164.

1. Faculty of Chemistry of the "Babes-Belyai" University, and the Cluj Pedagogic Institute, 11 Arany Janes Street.



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Compensation for damages under the new LAW of General Administrative Procedure, p. 168. (GLASNIK, Vol. 4, No. 3, Pay/June 1957)

50: Monthly List of East European Accessions (EEAL) LC Vol. 6, No. 13, Dec. 1957 Uncl.

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rollin/Charlest Technol y - Chemical traducts and Their

Application. For Industry.

Abs Jaur : Ref Zhur - Khimiya, No 10, 1959, 35830.

Author : Goch, H., Szyazko, A., Moznick, J.

Inst

Title : The Vitamin Value of Certain Preserves.

Orig Pub : Przem. sponywezy, 1958, 12, No 3, 300-303.

Abstract : There were submitted the results of the content analysis

of vitamins A, B, Bo, PP, C and B-caretin in certain neat and ment-ve etable preserves, and also in fruit computes. It was established that the emmined preserves are a good source of the B-complex vitables; the greatest about of these vitamins is contained in veal and in English grulash; the least, in beef with buckwheat parridge. -- From the authors' resume.

Card 1/1

BOZYK, Zbigniew; GOCH, Halina

Determination of total vitamin C in ready-made meals. Chem anal 5 no.2:335-336 '60. (EKAI 10:3)

1. Osrodek Maukowo-Badawczy Sluzby Zywnosciowej. Zaklad Badania Srodkow Spozywczych Akademii Medycznej, Warszawa. (Ascorbic acid) (Meal)

TO THE TOTAL PROPERTY OF THE P

BOZYK, Zbigniew; GOCH, Halina

Studies on the pijanowski method of determining C vitamin. II. Determination of the vitamin C content in cooked meals. Rocz tech chem zywn 8:51-62 '61.

1. Osrodek Naukowo-Badawczy Sluzby Zywnosciowej i Zakład Badania Srodkow Spozywczych, Akademia Medyczna, Warszawa. Kierownik Zakladu: prof.dr. Stanislaw Krauze.

BULGARIA/Cultivated Plants - Potatoes, Vegetables, Melons.

SE PROPOSITOR HERBORIUM, COLUMNICAMENTO REPUBLICADOS DESTRADOS CARRES DO RESERVADA A DEPOSITO DE PROPOSITO DE CARRES DE COMPANDA DE

Abs Jour

: Ref Zhur - Biol., No 3, 1958, 10839

Author

: Raynkhold, Y., G'och, V.

Inst

Title

: New, Improved Bulgarian Tomato Varieties.

Orig Pub

: Ovoshcharstvo i Gradinarstvo, 1957, No 1, 44-47

Abstract

: A comparative greenhouse trial, conducted in Bulgaria, of 6 Bulgarian varieties selected by Professor Daskalov, 4 widely used German varieties, and 4 Dutch heterozyse varieties has demonstrated the superiority of the following Bulgarian heterozyse varieties in yield: No 10 x Bizon, No 10 x Plovdivskiy konservnyy, and Kometa x Zarya-The German variety, Helfrucht, was in the fourth place. All the other ten varieties gave significantly lower yields. The Bulgarian varieties were outstanding for their heightened resistance to cladosporiosis.

Card 1/1

27

GOCHAKOV, B.G.; PROSKOVSKIY, A.M.; SHARMAGIY, Yu.V.; MAUER, A.A.

High-frequency wave trap filters with 50 to 330 kc. attenuation band. Energ. i elektrotekh. prom. no.1:20-22 '62. (MIRA 15:6)

1. Krymenergo.

(Electric filters)

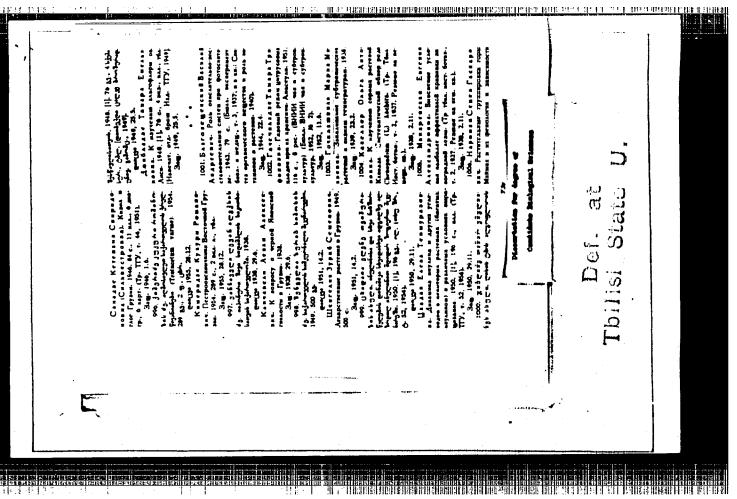
(Electric power distribution--Communication systems)

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#### GOCHAKOVSKIY, V.F.

Structure and fluorescence of magnesium phthalocyanine adsorbates on MgO. Al<sub>2</sub>O<sub>3</sub>. ZnO and glass. Dekl.AN SSSR 110 no.3:408-410 S <sup>1</sup>56. (MLRA 9:10)

1.Akademiya nauk SSSE, Institut hickhimii imeni A.N.Bukha.Predstavleno akademikem N.V.Belevyn. (Phthalecyanine) (Adsorption)



RABINOVICH, I.B.; NIKOLAYEV, P.N.; GOCHALIYEV, E.E.; TRET YAKOVA, N.N.

Isotopic effect on the liquid-vapor equilibrium of binary systems containing deuterium compounds. Dokl. AN SSSR 110 no.2:241-244 S '56. (MLRA 9:12)

1. Gor'kovskiy gosudarstvennyy universitet imeni N.I. Lobachevskogo. Predstavleno akademikom A.N. Frumkinym.
(Phase rule and equilibrium)
(Deuterium compounds)

S/020/60/132/04/38/064 B004/B007

ATROPOLITATE TRANSMIRENTER MATERIAR ED HATERHINDE BIRKETER BEKREGERSTE FLAGTEN. Det et en en et al. et en en e

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AUTHORS: Gochaliyev, G. Z., Zalkind, Ts. I., Veselovskiy, V. I.

TITLE: The Potential of the Platinum Electrode in an Irradiated

Sulfuric Acid Solution

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 132, No. 4,

pp. 872-875

TEXT: In earlier papers (Refs. 1-4) the authors found that the potential of a Pt electrode in irradiated 0.8 N H<sub>2</sub>SO<sub>4</sub> (irradiation dose 2.10<sup>15</sup> ev/cm<sup>3</sup>.sec) assumes a value close to that of the potential of the H electrode. The present paper deals with the results obtained by a more intensive irradiation (6.1.10 ev/cm<sup>3</sup>.sec). The experiments were carried out with a Co<sup>60</sup> radiation source, and the method is described in Refs. 2 and 3. Fig. 1 shows the dependence of the potential of the Pt electrode in exygen-free 0.8 N H<sub>2</sub>SO<sub>4</sub> on the duration of irradiation. Also with this intensity, selectivity of the Pt electrode with respect to the reducing radiolytic products was observed. The potential assumes a value of between

Card 1/3

The Potential of the Platinum Electrode in an Irradiated Sulfuric Acid Solution

S/020/60/132/04/38/064 B004/B007

in the control of the control of the first with the control of the

10 and 20 mv, which remains constant up to a dose of 2.10<sup>20</sup> ev/cm<sup>3</sup> and then rises up to 0.85 v (Fig. 1). For the oxidation of the reducing radiolytic products and the reduction of the oxidizing radiolytic products, occurring in the irradiated solution, the authors derive equations for the currents  $I_R$  and  $I_{0x}$ . As the reaction constant  $k_R^s$  is considerably greator than  $k_{0x}^{\dagger}$  because of the selectivity of the Pt electrode, the potential observed results. By the escape of H into the gaseous phase the stoichometric ratio between the reducing and the oxidizing products is, however, disturbed, which leads to a positive shifting of the potential in the case of high doses. Fig. 2 shows the dependence of the depolarization current at 0.4 v on the duration of irradiation. The course of this curve is explained as follows: Due to the selectivity of the Pt electrode, the oxidation of H at first predominates. As a result of the escape of H into the gaseous phase, the reduction of  $\rm H_2O_2$  is accelerated, the total current ( $\rm I_H - I_{H_2O_2}$ ) decreases and attains negative values in the case of doses higher than 2.10  $^{20}\rm ev/cm^3$ . If the experiment is carried out in a vessel that is hermetically sealed and completely filled with the solution so that no gaseous phase is able Card 2/3

The Potential of the Platinum Electrode in an Irradiated Sulfuric Acid Solution

S/020/60/132/04/38/064 B004/B007

to form and no hydrogen can escape, a potential of +20 mv quickly forms, which remains constant throughout the experiment (20 h)(Fig. 3). Because of the increasing concentration of the oxidizing products, the polarization current quickly decreases (Fig. 4). The ionization of the H on the Pt electrode, which is formed by radiolysis, may therefore be carried out in the case of a steady potential only if the reduction of the oxidizing products takes place at the same rate (e.g., on a second electrode which is selective for these products). At the same time, a current will flow through the outer circuit. There are 4 figures and 7 references: 6 Soviet and 1 English.

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova (Physico-chemical Institute imeni L. Ya. Karpov)

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8/081/62/000/010/015/085 B138/B101 Zalkind, Ts. I., Miller, N. B., Gochalivey, G. Z., AUTHORS: Veselovskiy, V. I. Radiation electrochemical processes in aqueous electrolyte TITLE: solutions PERIODICAL: Referativnyy zhurnal. Khimiya, no. 10, 1962, 62, abstract 10B416 (Tr. Tashkentsk. konferentsii po mirn. ispol'zovaniyu atomn. energii, 1959, v. 1. Tashkent, AN UzSSR, 1961, 347-354) TEXT: By means of electron measurements on Pt-, Au- and Hg-electrodes, a study has been made of the radiation electrochemical processes that occur in solutions of  $\rm H_2SO_4$ , and of  $\rm H_2SO_4$  with additions of  $\rm U(4+)$ ,  $\rm U(6+)$ , (COOH)2, Juring Co  $\rm ^{6C}$   $\gamma$  radiation. From the results it is concluded that both molecular hydrogen and H atoms are ionized. (Their stationary concentration at a dose rate of 6.1.1016 ev/cm2 sec was assessed as 2.3.10-5 K; this diminished with pH). On the Hg-electrode in the presence of O<sub>2</sub> the HO<sub>2</sub> radical is reduced. It was found that if the solutions of Card 1/2